

This is the Australian National Amateur Radio Teleprinter Society with our weekly Rtty cast. We transmit on the following frequencies and times :

3.545 MHz (Plus/minus 5)	0930 UTC	VK2CTD (COL)
7.045 MHz -3	0030 UTC	VK2CTD (COL)
14.070 MHz (amtor/fec)	0030 UTC	VK2DPM (ALAN)
14.091 MHz	0030 UTC	VK2DPM (ALAN)
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

INTERNET RADIO-INFO-DIST AT UCSD.EDU

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

A.N.A.R.T.S. News Bulletin 951 23 March 1997

COLS COLUMN

JOSEPH HENRY'S DISCOVERIES IN BASIC ELECTRICAL KNOWLEDGE ARE OF A PERMANENT VALUE AND APPLICATION, HIS NAME WILL ALWAYS BE REMEMBERED FOR HIS WORK ON ELECTROMAGNETIC INDUCTION. AGAIN HIS DISCOVERIES IN THIS FIELD CAME ABOUT BECAUSE OF HIS EXPERIMENTS WITH POWERFUL ELECTROMAGNETS.

IN AN ACCOUNT WRITTEN IN 1832 HE SAYS HE STARTED CONSTRUCTING A LARGE MAGNET IN AUGUST 1831, FOR EXPERIMENTAL WORK. BEFORE HE COULD COMPLETE HIS WORK ON THIS MAGNET, DUE TO OTHER WORK, NEWS ARRIVED FROM ENGLAND THAT FARADAY HAD DEMONSTRATED THE RELATIONSHIP BETWEEN ELECTRICITY AND MAGNETISM. HE WROTE IN THIS ACCOUNT 'IN THE MEANTIME IT HAS BEEN ANNOUNCED IN THE 117TH ISSUE OF THE LIBRARY OF USEFUL KNOWLEDGE, THAT THE RESULT SO MUCH SOUGHT AFTER HAS AT LENGTH BEEN FOUND BY MR. FARADAY OF THE ROYAL INSTITUTE.

IT STATES THAT HE HAS ESTABLISHED THE GENERAL FACT THAT WHEN A PIECE OF METAL IS MOVED IN ANY DIRECTION, IN FRONT OF A MAGNET POLE, ELECTRICAL CURRENTS ARE DEVELOPED IN THE METAL, WHICH PASS IN A DIRECTION AT RIGHT ANGLES TO ITS OWN MOTION, AND ALSO THAT THE APPLICATION OF THIS PRINCIPLE AFFORDS A COMPLETE AND SATISFACTORY EXPLANATION OF THE PHENOMENA OF MAGNETIC ROTATION'.

IN A SERIES OF EXPERIMENTS FARADAY HAD SHOWN TWO INSULATED COILS WOUND ON A MAGNET, ONE CONNECTED TO A GALVANOMETER AND ONE CONNECTED TO A BATTERY. AS THE CURRENT STARTED TO FLOW IN THE COIL CONNECTED TO THE BATTERY, A MOMENTARY CURRENT WOULD FLOW IN THE COIL CONNECTED TO THE GALVANOMETER. ALSO A MOMENTARY CURRENT, IN THE OPPOSITE DIRECTION, WOULD FLOW WHEN THE BATTERY WAS SWITCHED OFF.

HENRY CONTINUES 'BEFORE HAVING ANY KNOWLEDGE OF THE METHOD GIVEN IN THE ABOVE ACCOUNT, I HAD SUCCEEDED IN PRODUCING ELECTRICAL EFFECTS IN THE FOLLOWING MANNER, WHICH DIFFERS FROM THAT EMPLOYED BY MR. FARADAY AND WHICH APPEARS TO ME TO DEVELOP SOME NEW AND INTERESTING FACTS'.

SPACE HAS BEATEN US AGAIN THIS WEEK, SO WE SHALL HAVE TO WAIT

UNTIL NEXT TIME TO FIND OUT HOW HENRY'S METHOD DIFFERED FROM FARADAY'S. THIS MINI SERIES ON HENRY WILL CONTINUE NEXT WEEK AND PROBABLY THE WEEK AFTER. THE WEEKS FOLLOWING WILL CONCENTRATE ON FARADAY BEFORE MOVING ON TO THE TELEGRAPHS AND WORK OF COOKE AND WHEATSTONE.

73S FOR NOW DE COL VK2CTD.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
(14 MARCH - 20 MARCH)

ISSUED ON 21 MARCH 1997

SUMMARY

Date	14	15	16	17	18	19	20
10cm	76	76	76	75	75	74	72
A	6	7	9	6	8	4	(4 ESTIMATED)
T	10	20	20	7	14	13	11

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH, W.A. WAS QUIET OR QUIET TO UNSETTLED DURING THE PERIOD.

FREQUENCIES WERE NEAR MOSTLY NEAR PREDICTED MONTHLY VALUES WITH SHORT DEPRESSED PERIODS TO 15 PER CENT ON 14TH AND 17TH MARCH, AND ENHANCED TO 15 PER CENT OR MORE 1500 TO 2000 UT ON 18TH.

FORECAST (21 MARCH - 27 MARCH)

SOLAR: VERY LOW.

GEOMAGNETIC: INITIALLY QUIET TO UNSETTLED, GRADUAL INCREASE TO ACTIVE LEVELS EXPECTED DURING INTERVAL 25-27 MARCH.

FREQUENCIES: INITIALLY NEAR PREDICTED MONTHLY VALUES. DEGRADED HF COMMS CONDITIONS EXPECTED AT TIMES DURING INTERVAL 25-27 MARCH, FOR SOUTHERN REGION (MID TO HIGH LATITUDES), NORTHERN REGION (MID TO LOW LATITUDES) ARE NOT EXPECTED TO BE SIGNIFICANTLY DEGRADED.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0314 RTTY DX

VK2SG RTTY DXNOTES FOR WEEKENDING 14 MARCH 1997 (BID RTDX0314)

Our information this week came from DJ3IW and the Central Europe DX Cluster DB0SPC, EA10D and the EA1URG Cluster, I5FLN and the IK5PWJ Packetcluster, OH2BUA, W2UP, W5KSI, WA4UBD, WB2CJL, WT4K/KG4GC, and the NJ0M Node of the Twin Cities DX Packetcluster Network.

Bandpass:

Friday 7

1714-14087 OD5NJ
1715-14086 7Q7EH
1716-14086 JX7DFA
1750-14087 EA9AR
2014-14086 HF0POL South Shetlands
2023-14086 XT2DP
2146-14081 9Q5PA
2215-14087 UA0FZ
2310-14085 C02AW
2318-14079 VK3AMK
2327-14084 AL7PW

Saturday 8

0843-14084 TF3FK
0844-14085 9Q5PA
1012-14085 H44MS
1259-14086 J43CRN
1337-14084 KG4WD
1400-14086 J45RDS
1439-14084 YB5NOF/8
1623-14090 XT2DP
1707-14082 VE8RCS
1804-14085 9Q5PA
1811-14086 7Q7EH
2018-14085 EA9JZ
2200-14087 TJ1AD
2255-14083 VR6MW
2340-14084 KH4/N4BQW QSL via WA4FFW

Sunday 9

0731-14084 H44MS
0135-14082 F050P
0159-14080 VP8CKN
0200-14084 KH4/N4BQW
0752-14084 TF3FK
0844-14087 BD4DH
0849-14082 J45RDS
1147-7183 KH4/N4BQW
1200-14230 GX4BLC/C SSTV
1232-14089 OY4TN QSL via OY6FRA
1324-14083 RX6AHF
1512-14084 YB5NOF/8
1539-14086 VU20XX
1659-14086 UT0ZZ
1718-14089 GD3HDL
1901-14086 HF0POL
2149-14083 VK2KM

Monday 10

0037-14086 UA0FZ
0040-14085 HF0POL
0048-14078 HH2LE
0140-14080 ZP5MAL
1027-14084 H44MS
1131-14089 RA3GE0
1243-14078 PZ1BS
1629-14087 3Z2GD
1919-14089 WL7BNW
1941-14085 CX4NF
1946-14080 HF0POL
2144-14087 KL7/KE4TUU
2337-14084 HF0POL

Tuesday 11

0923-14085 H44MS
0956-14084 TF3FK
1315-14084 XU2FB QSL via N4JR
1532-14085 VU2AVG
1652-14081 LA2Q Spcl Event Stn. QSL via LA7RW
2331-14081 ZP6VT
2347-14079 HF0POL

Wednesday 12

1023-14084 TK3FK
1121-14084 H44MS
1221-14078 VK3AMK
1309-14085 N4UQM/KH2
1328-14078 XU2FB
1430-14082 8Q7BV
1431-14089 YB5QZ
1511-14083 3W5FM
1513-14087 V85GA
1540-14084 EW35WB
1628-14085 3Z2GD QSL via SP2FOV
2113-14079 5X1T Peter is back from Heard Is. QSL via ON5NT
2145-3583 RA2FS

Thursday 13

0109-14085 VP8CKN
0937-14081 H44MS
1323-14085 V85GA
1328-14087 XU2FB
1533-14066 SU1ER Clover
1547-14085 YB5QZ
1549-14081 3Z2GD
1731-14084 OY4TN
1909-14089 5N7YZC QSL via WA1ECA
2150-14084 C02KG

Notes of Interest:

BARBADOS, 8P - VE3VET will operate as 8P9IJ on SSB and RTTY 25 March-3 April. QSL to home CBA.

The VK2SG RTTY DX Notes can also be found on the Internet at reflector digital-dx at st.rim.or.jp and the OH2BUA Webcluster at URL <http://www.clinet.fi/jukka/rtty.html>

For next week's bulletin send your bandpass and notes of interest to Randy, WX5L at W5KSI.(hashsign)NOLA.LA.USA.NA or by e-mail to wx5l at communicate.net .

73 and good hunting de Jules W2JGR at
W5KSI.(hashsign)NOLA.LA.USA.NA
e-mail: w2jgr at millcomm.com

Note from VK2CTD - some keys on a computer cannot be used with Rtty. Examples are the Hashsign, upper case figure 3, and the AT sign, upper case 2, on a standard keyboard.

When such a character occurs, Anarts convention is to spell the character in full, sometimes between bracket signs. URL addresses sometimes have a little squiggly character located left of the figure 1 on a standard keyboard. it is called a 'TILDE'. Where these 'TILDE' appear Anarts will replace with a space. If You connect to that URL address on the Internet,

you will need to replace the space with the original character.

ARLD013 DX news

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX Bulletin, The 599Rpt, The DXNS and Contest Corral from QST. Thanks to all.

JUAN DE NOVA ISLAND, FR/J. Henry, FR5ZQ, is QRV as FR5ZQ/J, using CW and SSB. His length of stay, and QSL route, are unknown at this time.

ST. HELENS, ZD7. Ray Hudson, ZD7RH, is QRV on 20 through 10 meters with an FT 101E and wire antennas. QSL information is not as yet available.

BURKINA FASO, XT. Dan, N9XAG, currently QRV as XT2DP, will go QRT in either April or May. QSL via WB2YQH.

News about 701A

The following was received today from the League addressed to members of the DXAC..... de Tedd KB8NW (DX Advisory for the Great Lakes Division)

To: DXAC
Fm: K8CH & K5FUV

You may be hearing questions about the recently announced decision of the DXCC Desk regarding 701A documentation. We are planning to provide some additional background on the situation in Yemen in the 'How's DX' column of May QST. In the meantime, here's some background for you. Please feel free to share this with ARRL Members in your Division.

1. We have been following closely developments in Yemen for more than three years. Several groups have been working independently in efforts to obtain a ham license. Most of them have been in contact with DXCC, informing us of their progress. All of them have sought avenues for licensing in the north and the south. All of them have been there several times. All of these sources agree that administration of Amateur Radio is under the Ministry of Communications (MoC) in Sana'a.

2. During the operation of 701A, we received contacts from several of these people, each independently. One of them called Sana'a several times, and told authorities about the operation after it was over. Sana'a authorities requested that further information be faxed to them, as they did not know of any such operation. The authorities went on to say that at the very least, they should have been advised, and should have approved any operation.

3. (We also received a letter from well respected European who was actually in the MoC offices in Sana'a at about the time of the operation. He also requested that we 'check it out'.)

4. Bill Kenamer faxed MoC in response to their request.
Bill received the following reply:

Dear Sir,

Thank you for your fax message of FEB.07, 1997 on the issue of the Amateur Radio License NO. 1 from our Aden office.

Please note that the applicant had previously approached us in the Ministry of Communications-Sana'a and was advised that it is not possible at this time to issue any license for the Amateur Radio as the ministry is still under the preparation stage for the releavent regulatory documents & procedures for this activity.

Therefore the ministry of communication in the Republic of Yemen, as the main body responsible for this activity, till this moment had never issued an official authorization for the RADIO AMATEUR.

We will let you know when we shall issue such licenses in due time and to whome the first license will be granted.

Please be advised and act accordingly.

Best Regard
MINISTRY OF COMMUNICATIONS-SANA'A

Society information

The Society may be contacted at : P0 Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer P0 Box 60 Blacktown 2148 Australia, or fax to (02) 9672-3392, or by packet to VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

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Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99